

KORG

K770 SYNTHESIZER



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The exciting new Korg 770 packs an enormous amount of synthesizer into a small, light-weight and inexpensive package. With *two* VCO's, *two* VCF's, *two* LFO's, *two* ring modulation settings, *three* noise generators, a seven and a half octave range, and even an audio input jack to allow an external sound

source to be processed, this instrument has the power to ignite any audience! The Korg 770 is an unprecedented value with features that will impress the most serious of synthesists, while offering rapid on-stage operation with easy to use controls in a stylish front panel layout. The Korg 770—it's a natural!

KORG 770 SPECIFICATIONS:

VOLTAGE CONTROLLED OSCILLATORS

Two separate VCO's and Special Effects groups are usable separately or can be blended in variable proportions.

VCO I Five Waveforms: Triangle, Square, Sawtooth, Pulse, plus Variable Speed "Chorus" (waveform mixing effect)

Six Octave "Instant" Range Selector: 64', 32', 16', 8', 4', 2'

Master Pitch Control (controls both VCO's)

External Audio Input Jack for processing external sound source.

VCO II Separately tunable five-octave sawtooth waveform with Coarse and Fine tuning controls.

Two pre-patched Ring Modulation Settings: pitched and random.

Three Noise Generator settings: White, Pink and Korg's unique pitched "Scale" noise.

Mixer: A three-position switch selects VCO I, VCO II, or a variable blend of both using a balance control ("mixer").

VOLTAGE CONTROLLED FILTERS

The Korg "Traveler" hi-pass / low-pass VCF network allows infinitely variable filtering in a "graphic" twin horizontal slider configuration.

A three-position filter "peaking" switch ("Bright") is provided to obtain three separate filter "resonance" curves.

Each VCF features reverse or normal contouring, or no contouring. Utilizing two three-position switches, up to 9 different contouring combinations are available, for a multitude of new sound possibilities! VCF's can be swept automatically by a separate LFO using three-position selector switch, for "timbre" vibrato effects.

Optional Filter Pedal controller (FP-3) may be used to manually vary VCF's cut-off frequencies. This option is highly recommended for use in processing external instruments using external input jack.

VELOPE GENERATOR

The Envelope Generator group features versatile, yet easy to use controls.

Variable Attack and Sustain ("Singing") level sliders.

Three-way selectable release time ("Sustain Time").

Three-way Mode switch for instant selection of different Envelope curves.

Three position Range switch increases or decreases Envelope time factors by fixed ratios.

Repeat function using separate LFO features both gated repeat and "continuous" repeat for "hands off" playing.

Three selectable triggering methods (keyboard, LFO, and remote with external jack).

KEYBOARD DESCRIPTION

32 note F to C keyboard with gold-plated self-cleaning contact structure. High note priority.

MODIFIERS

Separate Vibrato Oscillator (LFO) with variable speed and depth controls. A three-way selector switch enables selection of:

- 1) No Vibrato
- 2) Normal (continuous) vibrato — or,
- 3) Delayed Vibrato for more natural expressions.

Octave Bend circuit with variable delay and bend speed controls (bend notes up or down one full octave).

Portamento ("Glide") control with three position selector switch for fixed or variable speed glides.

LOW FREQUENCY OSCILLATORS (LFO)

Two LFO's are provided on the K770:

A separate variable speed LFO is used for "Chorus" and VCF modulation and Envelope triggering. Vibrato Oscillator

ADDITIONAL FEATURES:

Headphone Output

A front panel headphone jack, independent of Master Volume Control is provided for practice and on-stage "cueing".

Rear Panel

Output: Connect to high quality "Keyboard" amplifier for best results

External Input: One volt peak-to-peak maximum

Remote: For external triggering of Envelope Generator

Traveler Foot Control: For use with optional FP-3 Filter Pedal

Power Requirements

117 volts 50/60 Hz, 15 watts

Dimensions and Weight

Size: 22" wide x 13-1/2" deep x 7-3/4" high

Weight: 19 lbs.

Accessories:

Adjustable rear legs for "tilting" instrument to any desired playing angle

Dust Cover

Audio Cable

Options

MS-4 Collapsible Tripod Stand

FP-3 Filter Pedal

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